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Title: Engineered/Processes for mitigation against Space Weather impacts/effects

Abstract

Disturbances from the Sun often referred to as “space weather”, cause geomagnetic storms that can affect critical infrastructure on the ground such as navigation systems, high-voltage electric power transmission grids, and pipelines. Understanding the dynamic response of the coupled solar wind-magnetosphere-ionosphere system to severe space weather is critical for mitigation purposes. This talk will highlight some of the strategies that can be implemented to protect engineered systems from adverse space weather impacts.